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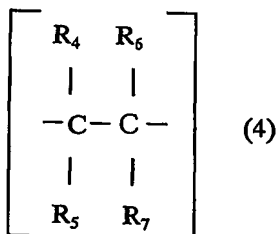
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(54) Title: CATIONIC GRAFT-COPOLYMER FOR NON-VIRAL GENE DELIVERY VECTOR



(57) Abstract: A cationic graft-copolymer for a non-viral gene delivery vector comprising a unit derived from a cationic derivative of a water-soluble linear polymers having a hydroxyl groups, namely, a cationic polysaccharide of the following formula (1) [C₆H₇O₂ (OH)₃-a (OX)_a] x H₂O (1) and the cationic derivative of polyvinylalcohol of the following formula (2) or the cationic derivative of the partial hydrolyzed polyvinylalcohol of the following formula (3) [CH₂ CH(OH)_{1-b} (OX)_b] n (2) [CH₂CH(OH)_{1-b-c} (OX)_b (OAc)_c] n (3) and a unit derived from a polymerizable olefin compound of the following formula (4) R₄ R₆ || - C - C - (4) || R₅ R₇ (a, x, b, n, c, Ac, X, R₄, R₅, R₆, and R₇ are defined in claim 1-6); a process for preparing the same and a transfection reagent made therefrom..